

ABSTRACT

5 Electrical equipment is disclosed that comprises a front-mounting electrical component, such as an IEC connector, a switch, a circuit breaker or a lamp or indicator. The electrical component has a body with a retaining shoulder at an outside end region and electrical terminals projecting from an inside end region. Included is an equipment enclosure, such as a chassis box, having sides, a selected one of the sides being formed with a cutout for receiving the retaining shoulder of the front-mounting electrical component. Also included is an electrical component retaining plate having a front side and a back side and having a cutout into which is received, from the front side of the plate, the body of the front-mounting electrical component so as to install the electrical component in the retaining plate. The plate is sized to fit against an inside surface of the selected enclosure side so that the shoulder of the front-mounting electrical component installed in the plate cutout is aligned with the cutout in the selected enclosure side. Screws detachably attach the plate to the selected enclosure side with the front side of the plate against the inside surface of the selected enclosure side, with the shoulder of the front-mounting electrical component installed in plate received into the enclosure side cutout. Electrical connections, which may be electrical wires or a printed circuit card, are attached to electrical terminals of the front-mounting electrical component installed in the plate and projecting from the back side of the plate. There is described a corresponding method of assembling electrical equipment using front-mounting electrical components. Equipment variations are described.

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